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सं० 52] नई दिल्ली, शनिवार, विसम्बर 29, 1979 (पौष 8, 1901)

No. 52] NEW DELHI, SATURDAY, DECEMBER 29, 1979 (PAUSA 8, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2 PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 29th December, 1979.

CORRIGENDA

(1)

In the Gazette of India Part III Section 2 dated the 13th October, 1979, under the heading 'COMPLETE SPECIFICATIONS ACCEPTED'

At page 597 column 2, against No. 146911
for "Application No. 184/Del/77 filed on August 18, 1977."
read "Application No. 184/Del/77 filed on August 8, 1977."

At page 598, Column 1, the appropriate office for Opposition proceedings against No. 146914—
for "Patent Office, Calcutta"
read "Patent Office, Delhi Branch"

In the Gazette of India Part III Section 2 dated the 20th October, 1979 under the heading "COMPLETE SPECIFICATIONS ACCEPTED".

At page 626, column 1, the appropriate office for Opposition proceedings against No. 146995—
for "Patent Office, Calcutta"
read "Patent Office, Delhi Branch".

At page 626, column 2, the appropriate office for Opposition proceedings against No. 146997—
for "Patent Office, Calcutta"
read "Patent Office, Delhi Branch"

(2)

In the Gazette of India Part-III, Section-2, dated the 27th January 1979 in page 63 column 2 under the heading "Patents Deemed to be Endorsed with the words Licence of Right".

Delete 136773 and entries thereagainst.

(3)

In the Gazette of India Part III, Section 2 dated the 16th June 1979 in page 372 column 1 under the heading "Patents Deemed to be Endorsed with the Words Licences of Right".

For 137128 (12-9-72)

Read 137128 (30-3-73)

(4)

In the Gazette of India Part III Section 2 dated the 11th August 1979 in page 489 column 2 under the heading "Patents Deemed to be Endorsed with the words Licence of Right".

Delete 137328 and entries thereagainst.

Delete 137533 and entries thereagainst.

(5)

In the Gazette of India Part-III, Section-2 dated the 25th August 1979 in page 513 column 1 under the heading "Patents Deemed to be Endorsed with the words 'Licences of Right'".

Delete 137423 and entries thereagainst.

Delete 137436 and entries thereagainst.

Delete 137437 and entries thereagainst.

(733)

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

22nd November, 1979

1221/Cal/79. Shell Internationale Research Maatschappij B.V. Method and apparatus providing a storage and injection system for solid friction reducing polymers in pipelines.

1222/Cal/79. A. E. Staley Manufacturing Company. Water-soluble vegetable protein aggregates.

1223/Cal/79. Metallgesellschaft A.G. Centrifugal mill.

1224/Cal/79. Weserhutte Aktiengesellschaft. Stockpile reclaiming appliance.

23rd November, 1979

1225/Cal/79. Mahlo GMBH & Co. KG. Apparatus for measuring the position of weft threads in a moving fabric web.

1226/Cal/79. Diamond Shamrock Corporation. Anodically polarized surface for biosouling and scale control.

1227/Cal/79. G. P. Tronics. Binoculars.

1228/Cal/79. General Electric Company. Logarithmic analog-to-digital converter.

24th November, 1979

1229/Cal/79. Laboratorio Guidotti & C., S.p.A. A process for the preparation of basic esters of substituted hydroxycyclohexanecarboxylic acids.

1230/Cal/79. Lucas Industries Limited. Battery isolator switches for use in road vehicles. (November 25, 1978).

1231/Cal/79. Hollandse Signaalapparaten B. V. Method for increasing the cover of textile fabrics and the fabric obtained by applying this method.

1232/Cal/79. Tsentralny Nauchno-Issledovatelsky Institut Chernoi Metallurgii Imeni I.P. Bardina. Air pump for delivery of powdered material into molten metal.

1233/Cal/79. Westinghouse Electric Corporation. Method of marking heat curable adhesive coated insulation for transformers.

1234/Cal/79. The B. F. Goodrich Company. Process for selective catalytic oxidation of carbon monoxide in the presence of olefin monomers.

26th November, 1979.

1235/Cal/79. Bridgestone Tire Co., Ltd. Artificial feed for silkworms.

1236/Cal/79. Toyo Jozo Kabushiki Kaisha. Process for production of 6-aminopenicillanic acid by using immobilized enzyme.

1237/Cal/79. Fletcher Sutcliffe Wild Limited. Mine roof supports. (November 28, 1978).

1238/Cal/79. The Western States Machine Company. Improved cyclical centrifugal machine.

1239/Cal/79. Sanjoy Roy. A process for making thermoplastic moulding materials.

27th November, 1979

1240/Cal/79. R. B. Larsen. Solar energy collector assembly.

1241/Cal/79. Fletcher Sutcliffe Wild Limited. Hydraulic pump. (November 28, 1978).

1242/Cal/79. Hollandse Signaalapparaten B. V. Method for removing a yarn wrapped around a buffer and for winding the yarn into a package, and apparatus for applying this method.

1243/Cal/79. Aluminium Pechiney and Fives-Cail Babcock. Improvements to installations for the calcination of alumina and similar products.

1244/Cal/79. Comp Air Industrial Limited. Improvements in or relating to regenerative rotodynamic machines. (November 28, 1978).

1245/Cal/79. Bau-Und Forschungsgesellschaft Thermoform A.G. Pulping of lignocellulose with aqueous methanol/Catalyst mixture. (November 27, 1978).

28th November, 1979

1246/Cal/79. Chitta Ranjan Mukherjee. Improved induction motor.

1247/Cal/79. Enso-Gutzeit Osakeyhtio. Intermittently operating pressurized filter.

1248/Cal/79. Wakayama Iron Works, Limited. Squeeze roll adapted to adjust widthwise distribution of pressure on cloth being treated.

1249/Cal/79. Wakayama Iron Works, Limited. Apparatus for continuously washing fabric with water.

1250/Cal/79. Energiagazdalkodasi Intezet. Method and apparatus for drying products with a closed gas stream and a desiccant liquid.

1251/Cal/79. The Western States Machine Company. Improved cyclical centrifugal machine.

1252/Cal/79. Deba Prasad Basu. Improvement in or relating to rechargeable emergency lighting.

APPLICATION FOR PATENT AT THE (DELHI BRANCH)

29th October, 1979

756/DEL/79. The Calor Group Limited, "Thermal Energy Storage Material". (November 10, 1978).

757/DEL/79. Bayer Aktiengesellschaft, "Polyazo Dyestuffs, Their Preparation and Their Use for Dyeing Cellulose Materials".

758/DEL/79. Bihani Industries, "Back Element for a Torch".
30th October, 1979

759/DEL/79. Maschinenfabrik Reinhausen Gebruder Scheubek GmbH & Co. KG. "A Load Selector".

760/DEL/79. Mangalagiri Chittaranjan Das, "Screw Type Water Lifting Device".

31st October, 1979

761/DEL/79. Bharat Heavy Electricals Limited, "A Low Calorific Value Gas Burner for Furnaces".

762/DEL/79. Bharat Heavy Electricals Limited, "A Low Calorific Value Gas Ignitor".

763/DEL/79. Toyo Engineering Corporation, "Process for Preparation of Urea".

2nd November, 1979

764/DEL/79. Donald Weston Bolme, "A process for the removal of nitrogen oxides from industrial gases by use of oxidising solutions in which nitrates are the oxidants". [Divisional Date October 23, 1977].

765/DEL/79. S. R. M. Hydromekanik Aktiebolag, "Hydro-mechanical Transmissions". (November 6, 1978). (November 21, 1978).

766/DEL/79. S.R.K. Textiles, "Improvements in or Relating to Semi-Automatic 4×4 Power Looms".

767/DEL/79. Council of Scientific & Industrial Research, "A Process for the synthesis of "1, 2-Diethyl-1-(*p*-alkoxyphenyl)-3-(*O*-m- & *p*-alkoxyphenyl)-1-propenes" as antifertility agents".

768/DEL/79. Council of Scientific & Industrial Research, "A process for the preparation of commercial grade vanadium pentoxide and other by-products from vanadium sludge of alumina industry".

3rd November, 1979

- 769/DEL/79. Anirudha Shivprasad Bhagat, "A Structural Connector for use in a Metallic Frame Work Structure and Building Constructions".
- 770/DEL/79. Anirudha Shivprasad Bhagat, "A Joint Connector for use in a Metallic Frame Work Structure and Building Constructions".
- 771/DEL/79. Anirudha Shivprasad Bhagat, "A Structural Connector for use in Metallic Frame Structures and Building Construction".
- 772/DEL/79. Anirudha Shivprasad Bhagat, "A Structural Connector for use in A Metallic Frame-Work Structure and Building Constructions".
- 773/DEL/79. Council of Scientific & Industrial Research, Improvements in or Relating to Rotary Activation Kilns".

APPLICATION FOR PATENT FIELD AT THE (MADRAS BRANCH)

19th November, 1979

- 207/Mas/79. Indian Institute of Science. A Process for the Synthesis of Aluminium Chlorate Hydrazimate.
- 208/Mas/79. C. Varghese. "GEOLOGICAL PRESSURE & FLOW PROCESS" For I-better utilisation of high hydral power; and II-high pressure for synthetic fuels and other chemical processes.
- 209/Mas/79. U. M. Rao & N. Padmanabhan. Improved Abrasive Belts and Grinders provided with such Abrasive Belts.
- 210/Mas/79. Sundaram-Abex Ltd., & B. K. Banerjee. An improved process for manufacturing Friction Elements for Automobile Drum Brakes using Thermal Shock Technique.

24th November, 1979

- 211/Mas/79. Carborundum Universal Ltd. An Improved Abrasive Wheel.

ALTERATION OF DATE

147222.
1200/Cal/77.
Ante-dated 30th March, 1976.
147223.
1201/Cal/77.
Ante-dated 30th March, 1976.
147224.
1202/Cal/77.
Ante-dated 30th March, 1976.
147227.
1696/Cal/77.
Ante-dated 5th June, 1975.
147244.
370/Bom/78.
Ante-dated 1st April, 1976.
147247.
664/Del/78.
Ante-dated 7th October, 1977.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 127A.

147219

Int. Cl.-F16d 11/00, 13/00.

PULL TYPE CLUTCH ASSEMBLY.

Applicant : DANA CORPORATION, OF 4500 DOOR STREET, TOLEDO, OHIO, UNITED STATES OF AMERICA.

Inventors : WILLIAM HOWARD SINK AND RICHARD ALLEN FLOTOW.

Application No. 204/Cal/77 filed February 14, 1977,

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A pull type clutch assembly adapted to drivingly connect rotatable drive and driven members and having a central axis; an axially stationary cover element for securing to a drive member for rotation therewith; an axially movable pressure plate element connected to the cover element for rotation therewith and limited axial movement relative thereto; resilient means for urging the pressure plate element axially into engagement with the driven member to clamp the same to the drive member; and pivotally movable levers disposed between the cover and pressure plate elements for moving the pressure plate element axially relative to the cover element into and out of engagement with the driven member; comprising:

opposed pivot and bearing portions on the levers; a pivot engaging means on one of the cover and pressure plate elements engaging said pivot portion on the lever;

an opposed bearing engaging means on the other of the cover and pressure plate elements engaging said bearing portion on the lever;

said pivot portion including an opening having spaced side walls and connecting radially inner and outer walls and a sharp knife-edge formed on said radially inner connecting wall;

said pivot engaging means including an integral axially directed lug having spaced side walls and connecting inner and outer walls and a pivot axis formed on one of said connecting walls;

said lug extending into said opening with sharp knife-edge engaging said pivot axis and said side walls and inner and outer connecting walls of said opening and lug co-acting to define a positive restraint for said levers to prevent relative movement and maintain said sharp knife-edge in contact with said pivot axis during pivotal movement of said lever.

Comp. Specn. 29 Pages. Drawings Sheets 4.

147220

CLASS 34A & 172C.

Int. Cl.-D06m 11/00, D01f 9/06.

AN IMPROVED PROCESS FOR PRODUCTION OF HIGH STRENGTH HOLLOW RAYON FIBERS.

Applicant : INTERNATIONAL PAPER COMPANY, OF 220 EAST 42ND STREET, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventor : EUGENE COSTA, JR.

Application No. 832/Cal/77 filed June 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims. No drawings.

An improved process for producing high strength hollow rayon fibers resistant to collapse after drying, in which a viscose solution containing alkali cellulose, a blowing agent, carbon disulfide is spun into an aqueous acidic coagulating bath, characterized by the fact that the viscose solution is ripened to a Salt Index of from about 6 to 12 cubic centimeters of sodium chloride, into an aqueous acidic coagulating bath containing from about 150 to 220 grams per liter of sodium sulfate, from about 120 to 160 grams per liter of sulfuric acid, and from about 30 to 80 grams per liter of zinc sulfate, and thereafter the resulting blown rayon fibers are stretched by between about 40 and 130%.

Comp. Specn. 34 Pages. Drgs. Nil.

CLASS 172B.

147221

Int. Cl.-D01h 1/00.

METHOD OF PRODUCING A YARN FROM ONE OR MORE FILAMENTS AND AN APPARATUS THEREFOR.

Applicant : AKTIENGESELLSCHAFT FR. METTLER'S SOHNE MASCHINENFABRIK, OF 6415 ARTH, SCHWEIZ.

Inventor : HEINRICH SPUHLER.

Application No. 861/Cal/77 filed June 9, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A method of producing a yarn from one or more filaments supplied by one or more spinning nozzles or filament bobbins, characterized in that the filament or filaments are stacked to form flat loops which overlap partially, and that then these loops are twisted together to form a yarn.

Comp. Specn. 10 Pages. Drg. 2 Sheets.

CLASS 32F_{ab}.

147222

Int. Cl.-C07d 95/00.

PROCESS FOR THE PREPARATION OF 4-HYDROXY-3-(5-METHYL-3-ISOXAZOLYLCARBAMYL)-2-METHYL-2H-1, 2-BENZOTHIAZINE 1, 1-DIOXIDE.

Applicant : WARNER LAMBERT COMPANY, OF 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, UNITED STATES OF AMERICA.

Inventors : ARTHUR CHARLES FABIAN, JEROME DANIEL GANZER, CHARLES FRANCIS KASULANIS, JOHN SHAVEL, JR. AND HAROLD ZINNES.

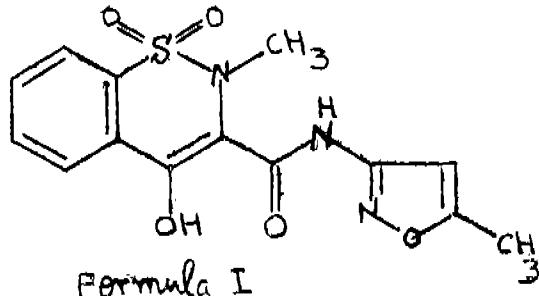
Application No. 1200/Cal/77 filed August 4, 1977.

Division of Application No. 548/Cal/76 filed March 30, 1976.

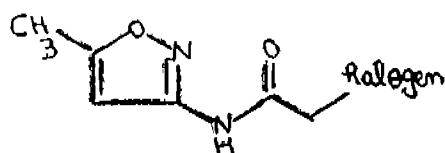
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for preparing a compound of the formula I.



which comprises methylding compound



Formula V

V at an elevated temperature by reaction with a methylding agent such as herein described in an non-aqueous medium in the presence of excess base such as herein described, followed by acidification to obtain the desired compound I directly.

Comp. Specn. 13 Pages. Drg. 1 Sheet.

CLASS 32F_{ab}.

147223

Int. Cl.-C07d 95/00.

PROCESS FOR THE PREPARATION OF 4-HYDROXY-3-(5-METHYL-3-ISOXAZOLYLCARBAMYL)-2-METHYL-2H-1, 2-BENZOTHIAZINE 1, 1-DIOXIDE.

Applicant : WARNER-LAMBERT COMPANY, OF 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, UNITED STATES OF AMERICA.

Inventors : ARTHUR CHARLES FABIAN, JEROME DANIEL GANZER, CHARLES FRANCIS KASULANIS, JOHN SHAVEL, JR. AND HAROLD ZINNES.

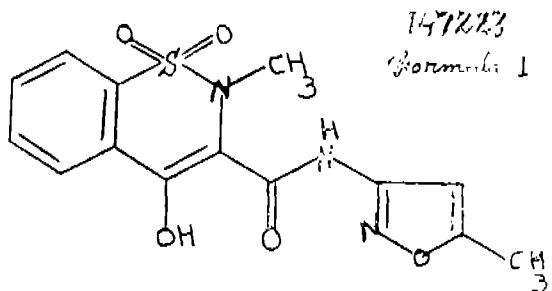
Application No. 1201/Cal/77 filed August 4, 1977.

Division of Application No. 548/Cal/76 filed March 30, 1976.

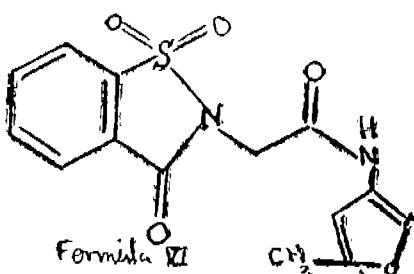
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for preparing a compound of the formula I.



which comprises heating compound



VI with an organic base in an inert solvent such as herein described.

Comp. Specn. 13 Pages. Drg. 1 Sheet.

CLASS 32Fb.

147224

Int. Cl-C07d 95/00.

PROCESS FOR THE PREPARATION OF 4-HYDROXY-3-(5-METHYL-3-ISOXAZOLYLCARBAMYL)-2-METHYL-2H-1, 2-BENZOTHAZINE 1, 1-DIOXIDE

Applicant: WARNER-LAMBERT COMPANY, OF 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, UNITED STATES OF AMERICA.

Inventors: ARTHUR CHARLES FABIAN, JEROME DANIEL GANZER, CHARLES FRANCIS KASULANTS, JOHN SHAVEL, JR., HAROLD ZINNES.

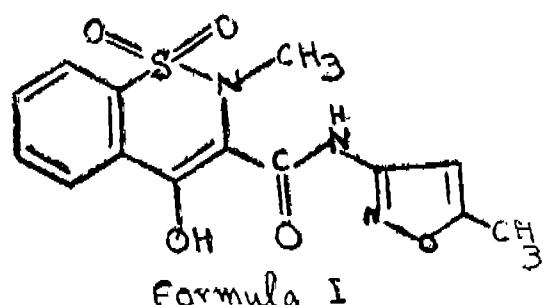
Application No. 1202/Cal/77 filed August 4, 1977.

Division of Application No. 548/Cal/76 filed March 30, 1976.

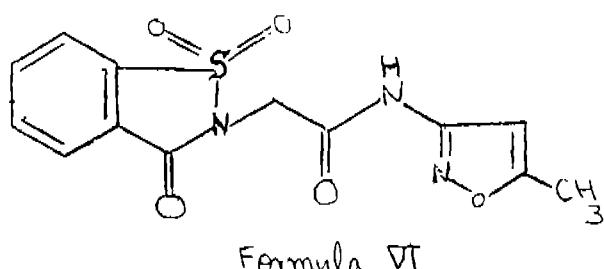
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for preparing a compound of the formula I.



which comprises heating compound



VI in an aqueous base such as herein described at a temperature of from 90°C to 100°C, followed by acidification, to obtain the desired compound I.

Comp. Specn. 13 Pages. Drg. 1 Sheet.

CLASS 32E & 40B.

147225

Int. Cl.-C01j 11/00, C08f 1/00 & 3/00.

PREPARATION OF MODIFIED AND ACTIVATED CHROMOCENE CATALYSTS FOR ETHYLENE POLYMERIZATION.

Applicant: UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors: ISAAC JACOB LEVINE, FREDRICK JOHN KAROL.

Application No. 1430/Cal/77 filed September 22, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims. No drawings

A method for preparing a catalyst for the consistent polymerization of ethylene which comprises the steps of:

(1) drying by heating or predrying with a dry inert gas or dry air an inorganic oxide catalyst support, having a high surface area such as hereinbefore described, selected from the group consisting of a alumina, thoria, silica, zirconia, and mixtures thereof at a temperature of 100°C to 800°C.

(2) slurring the dried support obtained in step (1) with a substantially anhydrous, normally liquid hydrocarbon;

(3) blending the slurry obtained in step (2) with a solution of chromocene compound having the structure such as hereinbefore described in a normally liquid hydrocarbon and a titanium compound having the structures such as hereinbefore described which is soluble in said hydrocarbon and is calcinable to TiO₂ whereby the resultant blend, exclusive of hydrocarbon, contains 0.02 to 3.0 weight % of elemental chromium and 1.0 to 10 weight % of elemental titanium;

(4) removing the hydrocarbon by any known process leaving a solid residue;

(5) adding to the residue from step (4) from 0 to 2.5 weight % of a fluoridation agent calculated as F; and

(6) heating the product from step (5) in a substantially anhydrous oxygen-containing atmosphere at a temperature of 300°C. to 1000°C until an active ethylene polymerization catalyst is obtained.

Comp. Specn. 15 Pages. Drg. Nil.

CLASS 128A & G.

147226

Int. Cl.-A611 15/06.

FLEXIBLE BANDAGE.

Applicant: SMITH & NEPHEW RESEARCH LIMITED, OF GILSTON PARK, HARDOW, ESSEX, ENGLAND.

Inventor: WILLIAM DUNCAN POTTER AND CYRIL FRANCIS DRAKE.

Application No. 1686/Cal/77 filed December 3, 1977.

Convention date December 3, 1976/(50578/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims. No drawings

A flexible bandage comprising a flexible substrate as herein described having thereon (a) a phosphate or borate glass containing at least one multivalent metal as herein described, said glass being present in particulate and/or fibrous form and being wholly or substantially soluble in aqueous conditions to form at least one reactive component capable of crosslinking a poly (carboxylic acid) and (b) a poly (carboxylic acid) or precursor therefor or partially crosslinked form thereof.

Comp. Specn. 22 Pages. Drgs. Nil.

CLASS 40F & 144E.

147227

Int. Cl.-C09b 47/04, B01j 1/00.

A PROCESS AND REACTOR FOR THE PREPARATION OF COPPER PHTHALOCYANINE.

Applicant: BAYER AKTIENGESELLSCHAFT, OF LVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: HEINZ-EWALD BAURFEHL, REINHOLD HORNLE, RUDOLF ERDMENGER, GERD MULLER AND KARLHEINZ WOLF.

Application No. 1696/Cal/77 filed December 6, 1977.

Division of Application No. 145077 filed June 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Process for the preparation of copper phthalocyanine, characterised in that optionally substituted phthalic anhydride or reaction products of phthalic anhydride with ammonia or their dehydrogenation products are reacted at temperatures of 150 to 300°C with urea, a copper salt and a catalyst, using residence times of between 5 minutes and 5 hours, in a reactor which exhibits the following characteristics :

- (a) self-cleaning of at least 75% of the heated surfaces,
- (b) a useful volume of at least 40% of the total volume of the reactor, the useful volume being at least 10 l,
- (c) scope for heating within the reactor with a heating surface of at least 34% of the heatable inner surface of the housing.

Comp. Specn. 16 Pages. Drg. 1 Sheet.

CLASS 39C & K & 40E. 147228
Int. Cl.-B01d 53/00, 57/00, C01c 1/02, C01b 31/20.

PROCESS FOR SEPARATION OF NH₃ AND CO₂ FROM MIXTURES CONTAINING THEM.

Applicant : STAMICARBON B.V., P.O. BOX NO. 10, GELEEN, THE NETHERLANDS AND UNIE VAN KUNSTMESTAFABRIKEN B.V., P.O. BOX 45, UTRECHT, THE NETHERLANDS.

Inventors : ANDREAS JOHANNES BIERMANS AND KEES JONCKERS.

Application No. 353/Del/77 filed October 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

24 Claims

A process for separating substantially pure NH₃ and substantially pure CO₂ from a composition comprising NH₃ and CO₂, said separation being effected in an NH₃ separation column by the action of heat, and in a CO₂ separation column by the action of heat, characterized in that said NH₃ separation column is operated at a bottom temperature of from 60°C to 170°C and a top temperature of from -35°C to 66°C and the said CO₂ separation column is operated at a bottom temperature of from 75°C to 200°C and a top temperature of from 0°C to 100°C, the top temperature of the said zones being at a lower temperature than the bottom temperature, and in that the said CO₂ separation is effected in the presence of water in an amount of from 0.2 to 6 times by weight of the feed to the said CO₂ separation column and wherein the system pressure range in each of the NH₃ and CO₂ separation columns is between 1 and 50 atmospheres absolute.

Comp. Specn. 33 Pages. Drgs. 5 Sheet.

CLASS 97A. 147229
Int. Cl.-A61f 5/00, 7/00.

AN AUTOMATIC FLEXIBLE ELECTRIC HEATING PAD.

Applicant & Inventor : DR. MANMOHAN DASS AGGARWAL AND DR. DES RAJ VIJ, BOTH OF DEPARTMENT OF PHYSICS, KURUKSHETRA UNIVERSITY, KURUKSHETRA-132119, HARYANA INDIA.

Application No. 526/Del/77 filed December 29, 1977.

Complete Specification left December 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims

An automatic flexible electric heating pad comprising a cord, a cord through switch, blanket and foam leather covering, characterised by :—

- (i) an element consisting of a Kanthal wire 12 which has been spirally wound on fibre glass cord 13 of around 1 mm.

in diameter, which is again covered by fibreglass yarn 14 which serves two purposes : firstly, it is completely flexible and safe against electric shock and secondly the heat coming out of the element gets diffused all around avoiding local heating of the area in which it is embedded.

(ii) a thermostat consisting of a bakelite casing 4 which has the added advantage of not being brittle as is the usual case with casings of ceramic materials which are used in thermostats,

(iii) a fire resistant flame proof cloth piece 7 (fig. 6) between which the heater element 4 is sandwiched and uniformly spread, which has the advantage over the ordinary cloth piece that the electric spark, if at all, occurring during operation does not spread all around.

Comp. Specn. 6 Pages. Drgs. 3 Sheets.

CLASS 194C,c. 147230
Int. Cl.-H01j 61/00.

AN ELECTRODELESS DISCHARGE LAMP.

Applicant & Inventor : DONALD DRURY HOLLISTER, AT 2031 TWEED STREET, PLACENTIA, CALIFORNIA, UNITED STATES OF AMERICA.

Application No. 146/Cal/77 filed February 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An electrodeless discharge lamp comprising : a sealed envelope; an ionizable medium within said envelope including at least one particular ionizable gas at a given pressure capable of emitting radiant energy when subjected to a radio frequency field; an induction coil positioned in close physical proximity to said medium in said envelope; and radio frequency signal generating means coupled to said coil, characterized in that said coil is wrapped around a nonmagnetic core.

Comp. Specn. 25 Pages. Drg. 3 Sheets.

CLASS 69F & G. 147231
Int. Cl.-H01h 5/00.

CIRCUIT BREAKER WITH OPERATING MECHANISM HAVING OUTBOARD CAM AND RATCHET.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : FRED BOULD.

Application No. 367/Cal/77 filed March 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A circuit interrupter including an operating mechanism, comprising support members spaced apart, a shaft rotatably disposed upon said support members, contact closing means disposed outboard of said support members in mechanical relationship with said shaft arranged for rotation by said shaft to an angular position relative to said support members at which a contact closing operation in a circuit interrupter is begun, limiting means constituting a jack shaft half bearing to limit rotational motion to one direction, characterized in that said limiting means and energy storage means comprising spring members being disposed outboard of said support members with said limiting means arranged in mechanical relationship with said shaft, and said energy storage means being in mechanical relationship with said limiting means, movement providing means disposed in mechanical relationship with said limiting means to move said limiting means upon command in said one direction whereby to charge said energy storage means, and trigger means disposed in mechanical relationship with said limiting means, said trigger means arranged to cause said energy storage means to rotate said shaft so as to effect a closing operation.

Comp. Specn. 39 Pages. Drg. 11 Sheets.

CLASS 172 E.

Int. Cl.-B65h 54/00.

APPARATUS FOR RECEIVING A THREAD AND DELIVERING IT TO A FRESH BOBBIN AFTER A BOBBIN CHANGE

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY.

Inventors : KURT LOVAS AND HANS LANDWEHR-KAMP.

Application No. 497/Cal/77 filed April 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An apparatus for receiving a thread and delivering it to a fresh bobbin after a bobbin change, said apparatus having yarn forwarding rollers for drawing the thread from a yarn delivery station, and a thread-holding device to which the thread is fed by the forwarding rollers, and also a yarn guiding device for guiding the thread fed by the forwarding rollers to the bobbin, characterised in that an auxiliary draw-off mechanism is arranged between said yarn forwarding device and said thread-holding device to produce a forced-conveyance zone between said yarn forwarding device and said auxiliary draw-off mechanism, and that the yarn guiding device is adapted to move on a way crossing the thread path between the yarn forwarding device and the thread-holding device into the vicinity of the fresh bobbin for transfer thereto.

Comp. Specn. 17 Pages. Drg. 2 Sheets.

CLASS 190B.

Int. Cl.-F02c 7/00.

IMPROVEMENTS IN OR RELATING TO GAS TURBINE ROTORS WITH DISC CONSTRUCTION.

Applicant : KRAFTWERK UNION AKTIENGESELLSCHAFT, 4330 MULHEIM (RUHR) WIESENSTER 35, FEDERAL REPUBLIC OF GERMANY.

Inventor : HELMUT MAGHON.

Application No. 1404/Cal/77 filed September 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A gas turbine rotor comprising a plurality of turbine and/or compressor discs which are coaxial with and held together by a tension rod which passes through the discs, the arrangement being such that the rod is subjected to a tensile force and the discs are subjected to a compressive force, wherein in the rod is supported on the compressor and/or the turbine discs by at least one sleeve member, one end of the or each sleeve member having a larger diameter than the other end thereof, said one end engaging a groove in one of the discs and said other end bearing on the tension rod.

Comp. Specn. 8 Pages. Drg. 3 Sheets.

CLASS 167 C.

Int. Cl.-G01n 1/00.

METHOD OF TAKING AND PREPARATION OF ANALYTICAL SAMPLES OF GRANULAR MATERIALS AND RECEIVER-TESTER FOR IMPLEMENTATION THEREOF.

Applicant : GLOWNE BIURO STUDIOW I PROJEKTOW PRZEROBKI WEGLA SEPARATOR, OF U1. ARMII CZERWONEJ 2, KATOWICE, POLAND.

Inventors : AUGUSTYN KAROL GOLABOWSKI AND GERARD KIELTYKA.

Application No. 1533/Cal/77 filed October 25, 1977.

147232.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

9 Claims

Method of taking and preparation of analytical samples of granular materials, particularly coal, from a stream of moving material, particularly in pouring stations, the characteristic feature of the said method being that a primary sample is taken periodically from the entire stream of the material falling downwards from a conveyor and passing through a pocket accommodated on a movable plate located on the path of this stream, the said primary sample being conveyed to three-stage crushing with simultaneous size reduction in the first stage and return of the remaining material downwards to the existing loading system whereas the said analytical system is subjected to drying between the final crushing operations.

Comp. Specn. 10 Pages. Drg. 2 Sheets.

CLASS 130D, 130I, 141D.

147235

Int. Cl.-C22b 53/00.

PRODUCTION OF TITANIUM METAL VALUES.

Applicant : UOP INC. A CORPORATION ORGANIZED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT TEN UOP PLAZA ALGONQUIN AND MT. PROSPECT ROADS, DES PLAINES, ILINOIS, U.S.A.

Inventors : WILLIAM KENT TOLLEY.

Application No. 505/Del/78 filed July, 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

15 Claims

A process for the recovery of titanium values from a titanium bearing source which comprises subjecting said titanium bearing source to a reductive roast, thereafter leaching the reduced source with a hydrogen chloride source in a leaching zone, precipitating the leached titanium bearing source in a precipitation zone by contact with a metal oxide in which the metal is present in a highly oxidized state, separating and recovering the resultant precipitated titanium dioxide, treating the spent liquor to form and recycle hydrogen chloride to said leaching zone, and simultaneously forming the metal oxide for recycle to said precipitation zone.

Comp. 14 Pages and Drawing 1 sheet.

CLASS : 32F 2a and 55E 4.

147236

Int. Cl.-C07c 53/00.

PROCESS FOR PREPARING LYSINE 2(6'-methoxy-2-naphthyl) PROPIONATE.

Applicant : PRODES, S.A., OF TRABAJO STREET, SAN JUSTO DESVERN (BARCELONA), SPAIN, A SPANISH COMPANY.

Inventors : SANTIAGO MARTIN QUILEZ.

Application No. 538/DEL/78 filed July 21, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Delhi.

4 Claims

Process for preparing a lysine 2-(6'-methoxy-2-naphthyl) propionate of the formula as shown in the accompanying drawings, which comprises reacting 2-(6'-methoxy-2-naphthyl) propionic acid with lysine base in an aqueous-alcoholic solution, such as herein described.

(Comp. 6 pages and Drawing 1 sheet)

CLASS. 104P.

147237

Int. Cl.-C08d 13/28.

PROCESS FOR PREPARING SILICA FILLED VULCANIZATES.

Applicant: POLYSAR LIMITED, OF SARNIA, ONTARIO, CANADA.*Inventor*: DOUGLAS CAMRON EDWARDS.

Application No. 263/Del/78 filed April 12, 1978.

Convention date April 14, 1977/(276, 158/77) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Delhi, Branch.

11 Claims. No drawings

A process for the production of improved silica filled rubbery vulcanizates which process comprises preparing a mixture is subjected to a treatment wherein it is sheared at a carbonyl polymer and from 5 to 100 parts by weight of silica, incorporating into said mixture conventional vulcanization active compounds and vulcanizing by heating at an elevated temperature to produce said vulcanizate, characterized in that said hydrocarbyl polymer contains from 4 to 60 millimoles of epoxy groups per 100 grams of polymer and that said mixture is subjected to a treatment wherein it is sheared at a temperature of from 100° to 175°C prior to cooling and incorporation of said vulcanization active compounds.

Comp. Specn. 23 Pages. Drgs. Nil.

CLASS 163B

147238

Int. Cl. F04c 1/04.

A GEAR PUMP.

Applicant & Inventor: CARL FRANCIS MUNSHI, C/S. ST. JOSEPH'S RESEARCH CORNER, KARIYANAPALAYAM, FRASER TOWN P.O., BANGALORE-560 005, KARNATAKA, INDIA.

Application No. 252/Mas/76 filed December 14, 1976.

Complete Specification left January 16, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A bi-directional gear-pump for pumping fluid comprising meshing gears accommodated in a recess for being driven in either direction, by any known means, to set up suction and compression pressures in the recess at two zones thereof opposite to the meshing portion of the gears; and inlet, for the fluid, communicating with the recess; a passage provided with two one-way valve openings operable only under compression pressure, the openings being disposed respectively at the said zones; and an outlet, for the fluid, communicating with the passage, such that on the gears being driven in either direction, fluid is drawn into the recess through the inlet under suction pressure and discharged therefrom through one of the said openings and the outlet under compression pressure.

(Prov.—11 pages; Com.—12 pages; Drwg.—one sheet)

CLASS 172E.

147239

Int. Cl.-B65h 54/00.

IMPROVED DEVICE FOR WINDING OF YARN FROM HANK FORM TO CONE FORM.

Applicant: THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, COIMBATORE AERODROME P.O., COIMBATORE-641 014, TAMIL NADU.*Inventors*: KASTHURISWAMY SREPNIVASAN & SRI-NIVASLU NAIDU GOVINDARAJAN.

Application No. 20/Mas/77 filed January 17, 1977.

Complete Specification left January 16, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

An improved device for winding yarn from hank form to cone form comprising a plurality of yarn guide rollers provided to reduce tension in the yarn being wound, the said yarn guide rollers being mounted on one end of a lever whose other end is fixed to a cam bracket; and yarn from the swift passing around a yarn guide drum and said yarn guide rollers so as to form a plurality of loops; the said bracket and two braking rollers pivoted on a pin such that the braking rollers come in contact with swift roller whenever the lever swings up or down thereby arresting the rotation of the swift roller and whenever there is an entanglement in the hank to be unwound the yarn guide rollers move down and release a length of yarn from the plurality of loops and a stop motion feeler fixed to a disc pivoted on a pin, the said feeler, on breakage of yarn moving down to result in the dropping down of a dropper mounted on the said disc on to a belt to actuate a hand lever to cut off the drive to the winding device the said yarn guide rollers being further provided with sealed ball bearings to reduce the yarn friction.

(Prov.—6 pages; Com.—7 pages; Drawgs.—3 sheets).

CLASS 205I.

147240

Int. Cl. B60b 25/04.

"METHOD AND APPARATUS FOR THE MANUFACTURE OF RIMS FOR THE WHEELS OF ROAD VEHICLES AND RIMS SO MANUFACTURED".

Applicant: WHEELS INDIA LIMITED, 37, MOUNT ROAD, MADRAS-600 006, TAMIL NADU.*Inventors*: KRISHNASWAMY RAMARATNAM & KUZHUMANI MEENAKSHISUNDARAM NATARAJAN.

Application No. 27/Mas/77 filed February 2, 1977.

Complete Specification left May 2, 1978.

Post-dated to June 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

17 Claims

An improved method for the manufacture from low carbon steel strip or plate of rims for the wheels of both commercial load carrying and passenger service vehicles, each rim being composed of a base portion having a gutter for receiving a split lockring extending round one end and a fixed tyre bead retaining flange round the other, the method comprising bending a steel strip of substantially uniform predetermined thickness into the form of a circle and butt welding the contiguous axial edges to form a cylinder, cold working the cylinder in order to conform the diameter and dimensions thereof to subsequent operational requirements and simultaneously to flare one end of the cylinder to form the rim gutter, heating the flared gutter portion and subjecting the heated portion to compressive load in order to form the vertical wall of the gutter and increase the thickness of the said wall by as much as 50% of the radial corner of the gutter by as much as 90% over the initial thickness of the strip, cold working the gutter and of the semi-formed rim in order to form the profile of the gutter and simultaneously cold working the opposite end of the rim in order to flare it for formation of the tyre bead retaining flange and finally subjecting the flared flange portion to compressive load in order to form the profile of the flange.

(Prov.—9 pages; Com.—26 pages; Drawgs.—8 sheets)

CLASS 84B.

147241

Int. Cl.-C10I 1/12.

A PROCESS OF PREPARING A FUEL COMPOSITION FOR FURNISHING HIGH TEMPERATURE AND ENERGY DURING COMBUSTION AND A FUEL COMPOSITION PREPARED BY THE SAID METHOD.

Applicant & Inventor: GODLA LOKANATHAN, RAIL NILAYAM, SOUTH CENTRAL RAILWAY, SECUNDERABAD-500371, ANDHRA PRADESH.

Application No. 48/Mas/77 filed February 28, 1977.

Complete Specification left February 28, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims. No drawings

A process of preparing a fuel composition for furnishing high temperature and energy during combustion comprising the steps of mixing predetermined quantities of TiO_2 and $NaCl$ together in proportions such as one part TiO_2 with up to 3 parts by weight of $NaCl$; grinding the resulting mixture to very fine particle size; admixing the ground mixture with the desired liquid hydrocarbon fuel such as herein described so as to form a colloidal suspension in the said liquid hydrocarbon fuel, to yield the said composition.

(Prov. -3 pages; Comp.—7 pages)

CLASS 83 B3, 160A.

I.C. A47b 31/02.

147242

HOT FOOD TROLLEY

Applicant : JATINDRA BHOGILAL SHAH 9A, SAD-GUKU SABAN SHIRVANI WALE, BOMBAY-400 004. MAHARASHTRA STATE, INDIA.

Application No. 35/BOM/78 filed on February 27, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay

4 Claims

A hot food trolley comprising a box supported on castors, the box being provided with a number of sliding doors on each side and a pushing handle, all the walls, the box and all the doors are jacket-constructed with an insulating media packed between the jacketed walls, the inside of the box is fitted with a number of racks fixed to vertical columns to accommodate and support the food trays at inside bottom of the box there is provided a number of electrically operated strip heaters to warm the inside of the box.

Comp. Specn. 4 pages & 2 Drawing sheets.

CLASS 150A+E.

147243

I.C. F16l 19/04.

A LEAK PROOF JOINT OR COUPLING FOR CONDUITS AND PIPES.

Applicant : PIYANDATH THOMAS JOY, GROUND FLOOR 1ST BUILDING GAMBER'S ESTATE S. V. ROAD BOMBAY-400 064 STATE OF MAHARASHTRA, INDIA.

Application No. 244/Bom/79 filed on August 18, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

5 Claims

1. leakproof joint or coupling for conduits or pipes comprising (i) a ferrule having an annular space there between adapted to house the conduit or pipe end, said ferrule being provided with stepped projections at its two ends; (ii) a union member having a plurality of openings adapted to accommodate the conduit or pipe terminals along with the said ferrules and openings in said union member having a threaded exteriority; (iii) a lock nut having a through and through passage adapted to removably slide over the conduit or pipe and further adapted to hold the ferrule there within and also provided with threads internally adapted to screw the lock nut over the opening at the union member, during which operation the said projections on said ferrules bend and grip into the said pipe or conduit terminal.

Complete specn. 5 pages. Drawings 1 sheet.

CLASS 144-E-6.

147244

Int. Cl.-C09c 1/00.

A METHOD OF MANUFACTURE OF AN INORGANIC GREEN PIGMENT OF FERRO CYANIDES OF IRON (III) AND TITANYL (II).

Applicant : SUDARSHAN CHEMICAL INDUSTRIES LIMITED, 162 WELLESLEY ROAD, POONA 411 001, MAHARASHTRA, INDIA.

2-387GI/79

Inventor : KISHOR LAXMINARAYAN RATHI.

Application No. 370/BOM/78 filed on 26th Dec., 1978.

Divisional of Patent application No. 106/BOM/76 dated 1-4-76.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

6 Claims

A method of manufacture of an inorganic green pigment of ferro cyanides of iron (III) and titanyl (II) wherein the said ferrocyanides are coprecipitated in an acidic solution of a ferric salt a titanium salt by a solution of ferrocyanide in following varying proportions.

| <i>Ti(II)</i> | <i>Fe(III)</i> | <i>Colour</i> |
|---------------|----------------|------------------|
| 0.5 | 1 | Greenish blue |
| 3 | 2 | Bluish green. |
| 4 | 1 | Green |
| 6 | 1 | Yellowish green. |

Complete Specification—8 pages.

CLASS 155D.

147245

Int. Cl.-B32b 27/04.

A PROCESS FOR PRODUCING A DECORATIVE LAMINATE.

Applicant : DART INDUSTRIES INC., OF 8480 BEVERLY BOULEVARD, LOS ANGELES, CALIFORNIA 90048, UNITED STATES OF AMERICA.

Inventors : JERRY LEE MALINA, WILLIAM LEROY LINDAMOOD, GERALD JOSEPH BRUCKBAUER, EARL JOSEPH SOUDELLIER, MELVIN PITTS, JAMES HIDTON JONES, RAY EARL SCHILLER AND GLENN LYNN ODSTRcil.

Application No. 1247/Cal/77 filed August 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for producing a decorative laminate having exceptional chemical and stain resistance comprising :

- (a) applying a coating of polyester resin mixture containing 85—95% resin such as herein described and 5—15% vinyl monomer to a decorative sheet;
- (b) drying the coated sheet until the resin content of said sheet is 40—63% of the total weight;
- (c) coating a release sheet with a polyester resin such as herein described to a thickness between 10—20 mils and curing the resin to a "B" stage as herein described;
- (d) preparing an assembly of superimposed sheets by
 - (1) placing said decorative sheet upon a dry sheet;
 - (2) placing the releasing sheet upon the decorative sheet with said resin in direct contact with the decorative sheet;
 - (3) placing beneath said dry sheet a plurality of thermosetting resin impregnated sheets;
- (e) consolidating said assembly under heat and pressure to a unitary laminated structure; and,
- (f) removing the release sheet from said structure.

Comp. Specn. 17 Pages.

Drg. Nil.

CLASS 39K & 40F

147246.

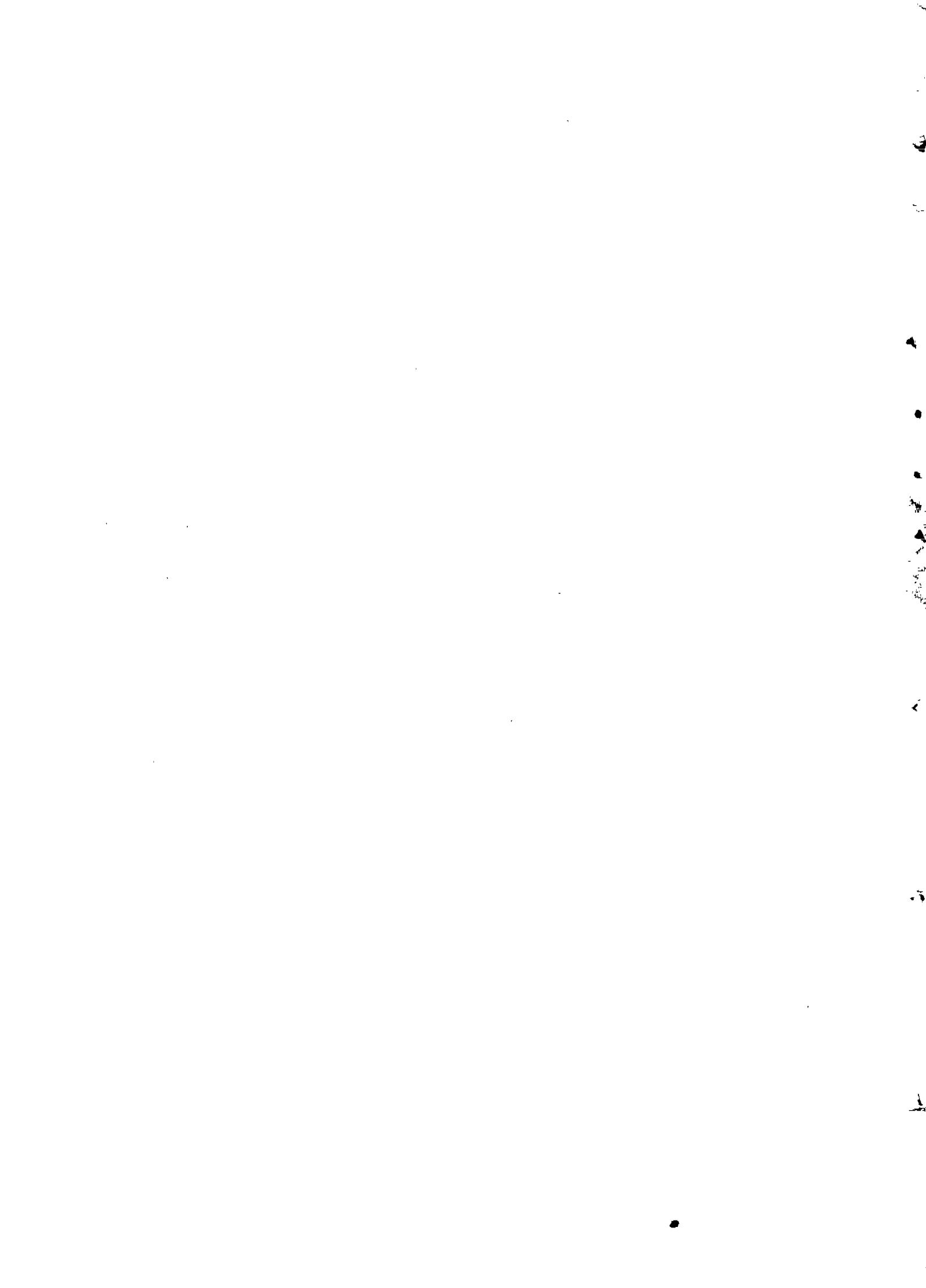
Int. Cl.-C01b 31/18, C10j 3/00.

PROCESS FOR THE PRODUCTION OF A GAS RICH IN CARBON MONOXIDE.

Applicant : KRUPP-KOPPERS GMBH, OF MOLTKESTRASSE 29, 4300 ESSEN, FEDERAL REPUBLIC OF GERMANY.

Inventor : HERMANN STAEGE.

Application No. 365/Del/77 filed November 2, 1977.



11 Claims.

A blade structure for a fluid flow rotary machine wherein the blade profile is thickened at least within its head region, the improvement wherein a cover plate is connected to the head end within said thickened region by means of at least one substantially loo-shaped welded joint.

Comp. Specn. 9 Pages.

Drg 1 Sheet.

OPPOSITION PROCEEDINGS

An opposition has been entered by Prav Electrospark Private Limited to the grant of a patent on application No. 146539 made by De Beers Industrial Diamond Division Limited.

AMENDMENT PROCEEDINGS UNDER SECTION 57.

Notice is hereby given that Nikolai Gennadievich Basov ulitsa Dmitriya Ulyanova, 3, kv. 113, Moscow USSR and others have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 145817 for "Aircraft-take-off and landing systems". The amendments are by way of correction, so as to define described the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

COMMERCIAL WORKING OF PATENTED INVENTIONS

LIST II

The following patents in the field of Chemical Industry are not being Commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calendar Year 1978. Generally on account of want of request for licences to work the Patented Inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purposes :—

| Serial No. | Patent No. | Date of Patent | Name of Patentee | Title of Invention |
|------------|------------|----------------|--|---|
| 1 | 2 | 3 | 4 | 5 |
| 1 | 126975 | 8-6-70 | INMONT CORPORATION, 1133 Avenue of Americans, New York, (U.S.A.) | Producing flexible microporous water-vapour permeable sheet material. |
| 2 | 127104 | 16-6-70 | ETHICON INC., Sommerville, New Jersey U.S.A. | Polypropylene non-absorbable sutures. |
| 3 | 127248 | 24-6-70 | USS ENGINEERS AND CONSULTANTS INC., 525 William Penn Place, Pittsburgh State of Pennsylvania (U.S.A.) | Pyro-processing into sinter raw material pellets. |
| 4 | 127352 | 1-7-70 | UNION CARBIDE CORPORATION, 270, Park Avenue, New York, U.S.A. | Bio-Oxidation with low sludge yield. |
| 5 | 127353 | Do. | Do. | Do. |
| 6 | 127354 | Do. | Do. | Staged oxygenation water containing biochemically active oxydizable material. |
| 7 | 127355 | Do. | Do. | Treating water containing biochemically oxidizable material. |
| 8 | 127366 | 2-7-70 | METALLURGICAL PROCESS LTD., Trust Building, Frederick St., Nassau Bahamas. | Condensation of metal vapour. |
| 9 | 127374 | 3-7-70 | UOP INC., 10 UOP plaza — Algonquin, Mt. Prospect Road, Des plaines, Illinois, U.S.A. | Novel Catalytic composite. |
| 10 | 127399 | 4-7-70 | TENCO — BROOKE BOND LTD., 35 & 34 Cannon Street, London EC4, England | Enzymatic solubilization of Tea Cream. |
| 11 | 127416 | 6-7-70 | IMPERIAL CHEMICAL INDUSTRIES LTD., Millbank, London, England. | Basaplate assembly for mercury cathode cell. |
| 12 | 127472 | 9-7-70 | PREROVSKE STROJIRNY, Prerov, Czechoslovakia. | Preheating Apparatus for pulverable cement raw material. |
| 13 | 127492 | 10-7-70 | WILHELM SCHELKMANN, 581 Witten Grenzal, danzster FRG. | Vulcanization of Pre-vulcanised threads. |
| 14 | 127532 | 20-4-72 | TAKASAGO PERFUMERY CO. LTD., 4-1 Hachobori 1-Chome, Chuo-ku, Tokyo, Japan. | Biochemical isolation of 1-Menthol. |
| 15 | 127551 | 15-7-70 | PREROVSKE STROJIRNY, Prerov, Czechoslovakia. | Cooling apparatus and method for granulous material. |
| 16 | 127583 | 17-7-70 | ALBRIGHT, MORARJI AND PANDIT LTD., Raj Mahal, 3rd Floor, 84' Veer Nariman Road, Bombay-400 020, India. | Improved process for Sodium tri-poly-phosphate. |
| 17 | 127626 | 20-7-70 | SNAMPROGETTI S. P. A., 16 Corso Venezia, Milan Italy. | Extracting aromatic hydrocarbons. |
| 18 | 127635 | 21-7-70 | INMONT CORPORATION, 1133, Avenue of Americans, New York, U.S.A. | Preparing novel water vapour permeable sheet material. |

| 1 | 2 | 3 | 4 | 5 |
|----|--------|---------|--|---|
| 19 | 127646 | 21-7-70 | SNAMPROGETTI S.P.A. 16, Corso Venezia, Milan, Italy. | Separation of conjugated diolefins from mixtures containing the same. |
| 20 | 127658 | 22-7-70 | SNAMPROGETTI S.P.A. 16, Corso Venezia, Milan, Italy. | Extracting aromatic hydrocarbon from mixtures of aromatic and aliphatic hydrocarbons. |
| 21 | 127715 | 23-7-70 | ALBRIGHT WILSON LTD., P. O. Box 3, Oldbury, Warley, Worcs, England. | Manufacturing of Sodium or potassium bipolyphosphates. |
| 22 | 127725 | 27-7-70 | ROHM AND HASS COMPANY, Independence Mallwest, Philadelphia, Pennsylvania, U.S.A. | Preparing a resin having crosslinked polymeric resin matrix. |
| 23 | 127743 | 20-4-72 | C. S. I. R., Rafi Marg, New Delhi, India. | Obtaining colchicine from New plant source. |
| 24 | 127752 | 28-7-70 | HOECHST A. G., Frankfurt/Main F.R.G. | Process for preparing new water-insoluble monoazo dyestuffs, plastics and Textile material printing ink and lacquers having said dyestuffs. |
| 25 | 127753 | 28-7-70 | Do. | Manufacture of copper containing mono-azo dyestuffs. |
| 26 | 127824 | 31-7-70 | BRITISH TITAN LTD. 10, Stratton Street, London W1A 4 xp, England. | Removal of Iron from iron containing titani-ferrous material. |
| 27 | 127869 | 4-8-70 | HOECHST A. G. Frankfurt/Main FRG. | Preparing water-insoluble monoazo dyestuffs. |
| 28 | 127872 | Do. | PREROVSKÉ STROJIRNY, Prerov, Czechoslovakia. | Method and apparatus for heat treatment of lamp & finely granulated materials. |
| 29 | 127903 | 5-8-70 | RHONE POULENE S. A. 22 Avenue Montaigne, Paris, France. | Preparation of 2-phenyl-5-t-butyl-2-oxadiazolones. |
| 30 | 127973 | 11-8-70 | UNION CARBIDE CORPORATION, 270 Park Avenue, New York, U.S.A. | Cryogenic air separation process. |
| 31 | 127978 | 11-8-70 | IMPERIAL CHEMICAL INDUSTRIES LTD Imperial Chemical House, Millbank, London, England. | Preparing Transitional metal composition. |
| 32 | 127981 | Do. | ISHIHARA SANGYO KAISHA LTD., 3-11, Edobori, 1-chome, Nishi-ku, Osaka Japan. | Preparation of titanium dioxide concentrate. |
| 33 | 127983 | Do. | ROSTERO S. A. Geneva, Switzerland. | Casting of Resin sheets from polymerizable flowable materials. |
| 34 | 128006 | 20-4-72 | WERNER-LAMBERT COMPANY 201, Tabor Road, Morris-plains New Jersey, U.S.A. | Resolution of DL-5 [3-(Tert-Butylamine)-2-hydroxypropex] 3, 4-dihydro-1 (2H)-naphthalenone. |
| 35 | 128017 | 13-8-70 | UOP INC., Ten UOP Plaza — Algonquin and Mt. Prospect Roads, Des plaines, Illinois U.S.A. | Solvent extracting of coal. |
| 36 | 128039 | 17-8-70 | DEGUSSA, 9 Weiss, Frankfurt, FRG. | Manufacture of H ₂ O ₂ . |
| 37 | 128061 | 18-8-70 | SUNITOMO ELECTRICAL INDUSTRIES LTD., 15, 5- Chome, Kilahama, Higashi-ku, Osaka, Japan. | Heat-treating hot rolled steel wire rod. |
| 38 | 128082 | 19-8-70 | ANACONDA WIRE AND CABLE CO. 25, Broadway, New York, U.S.A. | Vulcanising polymeric coverings on Electric cables. |
| 39 | 128088 | Do. | HOECHST A. G. 6230 Frankfurt/Main 80, FRG. | Polymerizing olefines. |
| 40 | 128182 | 26-8-70 | FARBWERKE HOECHST A. G., 45, Brüningstrasse, Frankfurt/Main FRG. | Preparing new water soluble monoazo dyestuffs. |
| 41 | 128193 | 26-8-70 | BENSON FIELD AND EPES, 640 Spruce lane, Berwyn, Pennsylvania, U.S.A. | Separation of CO ₂ and H ₂ S from gas mixture. |
| 42 | 128253 | 1-9-70 | UNION CARBIDE CORPORATION, 270, Park Avenue, New York, State of New York, U.S.A. | Process for making metal additions to molten Al. Bath for making Alloys. |
| 43 | 128278 | 2-9-70 | SNAMPROGETTI S. P. A. 16 Corso Venezia, Milan, Italy. | Ethylene oxide. |
| 44 | 128337 | 8-9-70 | BENSON FIELD AND EPES, 640 Spruce lane, Berwyn, Pennsylvania, U.S.A. | Removal of CO ₂ and H ₂ S from gas mixture. |
| 45 | 128385 | 11-9-70 | SHELL INTERNATIONABLE RESEARCH MATCHAPPIJ, B. V., Carel Van Bylandlaan 30, The Hague, The Netherlands. | Hydrogenative Cracking of Carbonaceous materials. |

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| 46 | 128386 | 11-9-70 | TEDECO TEXTILE DEVELOPMENT CO., A/S St. Clavegate, 21B Oslo 1, Norway. | Treating fabrics with liquid ammonia. |
| 47 | 128495 | 19-9-70 | IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Millbank, London, England. | Process for the production of radiation sensitive films. |
| 48 | 128566 | 23-9-70 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ, B. V. Carel Van Bylandtlaan 30 Hague, Netherlands. | Removal of Solid particle from aqueous suspension. |
| 49 | 128634 | 28-9-70 | CIBA OF INDIA LTD., Aarey Road, Goregaon(E), Bombay-62, Maharashtra State, India. | Process for dyeing and printing Textile materials of synthetic organic fibres. |
| 50 | 128651 | 29-9-70 | CLUETT, PEABODY AND CO. INC., 433, River Street, Troy, New York, U.S.A. | Mixing Ammonia with Non-volatile materials. |
| 51 | 128677 | 3-10-70 | MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri, U.S.A. | Preparing novel N-azolyl sulfenamides. |
| 52 | 128711 | 6-10-70 | UNION CARBIDE CORPORATION, 270, Park Avenue, New York, U.S.A. | Formation of porous metallic layer. |
| 53 | 128727 | 20-4-72 | CENTRE EUROPEEN DE RESEARCH-ES PHARMACOLOGIQUES, 71 Avenue Laplace, Arcueil, Val de Marne France. | Preparing New Phenoxy-acetic acid derivatives. |
| 54 | 128755 | 12-10-70 | IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Millbank, London, England. | Manufacture of 1-1-1-Trichloroethane. |
| 55 | 128758 | 12-10-70 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ, B. V. The Hague, The Netherlands. | Cooling of suit continuing gases. |
| 56 | 128786 | 13-10-70 | HOECHST A. G. 6230 Frankfurt/Main 80, West Germany. | Manufacture of Bi-phenol carboxylic acid esters from phenols and acetoacetic acid esters. |
| 57 | 128787 | Do. | Do. | Polyphenol carboxylic acid esters from phenols. |
| 58 | 128799 | Do. | Do. | Process for preparing water soluble anthraquinone dyestuffs. |
| 59 | 128907 | 20-10-70 | SNAKPROGETTI S. P. A. Corse Venezia, Milan, Italy. | Urea. |
| 60 | 128957 | 23-10-70 | GLAVERBEL MACANIVER, 166 Chausse de K Hulpe, Watermaelboits fort, Belgium. | Process and apparatus for forming a refractory mass by spraying. |
| 61 | 128992 | 26-10-70 | HINDUSTAN LEVER LIMITED, 165/166 Hindustan Lever House, Backbay Reclamation, Bombay- M. S. India. | Personal washing tablets. |
| 62 | 128999 | 26-10-70 | NIPPON KAKAN KABUSHIKI, 1-3, 1-Chome, Otemachi, Tokyo, Japan. | Preparing a high temperature low alloy steel. |
| 63 | 129059 | 30-10-70 | UGINE KUHLMANN, 10, Rue de general Foy Paris 8, France. | New Composite material. |
| 64 | 129079 | 2-11-70 | C. S. I. R., Rafi Marg, New Delhi, India. | Preparation of powdered iron. |
| 65 | 129095 | 3-11-70 | HOECHST A. G. 6230 Frankfurt/Main 80 FRG. | Process for water soluble reactive xanthium dyestuffs. |
| 66 | 129123 | 6-11-70 | UNIVERSAL OII PRODUCTS INC., Ten UOP Plaza, Algonquin, & Mt. Prospect Road, Des Plaines, Illinois, U.S.A. | Regeneration of a Coke deactivated catalyst containing platinum and Rhodium. |
| 67 | 129125 | 6-11-70 | IMPERIAL CHMICAL INDUSTRIES LTD., Imperial Chemical House, Millbank, London, England. | Synergistic stabilized aliphatic hydrocarbon Compositions. |
| 68 | 129127 | 6-11-70 | EXXON RESEARCH AND ENGG. Co. Linden, New Jersey, U.S.A. | Conversion of gas mixtures containing carbon monoxide and steam to hydrogen and CO ₂ . |
| 69 | 129139 | 7-11-70 | Do. | Do. |
| 70 | 129214 | 12-11-70 | DEUTSCHE TEXACO A. G., Mittelweg 180, Hamburg 13, West Germany. | Prevention of coking in pyrolysis plant. |
| 71 | 129225 | 16-11-70 | IMPERIAL CHEMICAL INDUSTRIES LTD., Millbank, London, England. | Metal deposition Process. |
| 72 | 129251 | 20-4-72 | C.S.I.R., Rafi Marg, New Delhi, India. | Synthesis of 3, 8-Substituted-4-Oxoperhydro (1, 2-C) Piperazine pyrimidines. |
| 73 | 129252 | 20-4-72 | Do. | Synthesis of Cis and Trans-3, 4 Depenyl-Chromans. |

| 1 | 2 | 3 | 4 | 5 |
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| 74 | 129263 | 17-11-70 | SNAMPROGETTI S.P.A., 16 Corso Venezia, Milan, Italy. | Treating effluent gases in the ammonia synthesis. |
| 75 | 129267 | 17-11-70 | NIPPON KOKAN KABUSHIKI, Otemachi, Tokyo, Japan. | Treating effluent gases in the ammonia synthesis. |
| 76 | 129304 | 19-11-70 | HOECHST AG. Frankfurt/Main FRG. | Process for preparing aminophenyl alkyl ethers. |
| 77 | 129322 | 20-11-70 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. The Hague, The Netherlands. | Process for quenching unstable pyrolysis effluent gases. |
| 78 | 129331 | 20-11-70 | TEXACO DEVELOPMENT CORPORATION, 135 East 42nd Street, New York, U.S.A. | Production of reducing gas. |
| 79 | 129347 | 23-11-70 | HINDUSTAN LEVER LTD., 165/166, Hindustan Lever House, Backbay Reclamation, Bombay-20. | Process for making fatty acid mono-diglycerides. |
| 80 | 129349 | 28-7-71 | Do. | Process for preparing a Catalyst. |
| 81 | 129375 | 24-11-70 | STORA KOPPARBERGS BERGSLAGS AB, Falum, Sweden. | Method and device for accelerating the solidification of the drops in the manufacture of powder from molten material and apparatus for producing powder by atomising molten material. |
| 82 | 129376 | 24-11-70 | UDDEHOLM AB, 68305 Hagfors, Sweden. | Method and means for manufacturing a powder by atomising molten material. |
| 83 | 129415 | 27-11-70 | UOP INC., Ten UOP Plaza - Algonquin and Mt. Prospect Road, Des Plaines, Illinois, U.S.A. | Regenerating a deactivated hydrogen conversion Catalyst. |
| 84 | 129438 | 30-11-70 | Do. | Production of Para-Xylene and gasoline. |
| 85 | 129472 | 20-4-72 | SOCIETE DETUDES DE PRODUITS CHEMIQUES, 16 rue kleber, Issy-les-Moulineaux, France. | Papaverin complex. |
| 86 | 129476 | 3-12-70 | UOP INC., 10 UOP Plaza-Algonquin and Mt. Prospect Road, Des plaines, Illinois, U.S.A. | Separating the effluent from a hydroprocessing reaction zone. |
| 87 | 129481 | 3-12-70 | SOCIETE SUCRIERE DE LATLANTIQUE 18, Avenue Madlingnon, Paris, France. | Apparatus for extracting juice by squeezing fibrous materials of sugarcane bagasse. |
| 88 | 129487 | 3-12-70 | GENERAL MILLS INC., 9200 Wayzata Boulevard, Minneapolis, Minnesota, U.S.A. | Preparation of cyanoethyl-ether of galactomannagan. |
| 89 | 129493 | 4-12-70 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. Carelvan Bylandtlaan 30, The Hague, The Netherlands. | Improved process for the production of silica-titanic catalyst. |
| 90 | 129518 | 5-12-70 | SULZER BROTHERS LTD., CH-8401, Winterthur, Switzerland. | Ammonia Synthesis. |
| 91 | 129529 | 7-12-70 | EMHART INDUSTRIES INC., 426 Colt Highway, Farmington, Connecticut, U.S.A. | Molten glass gob distribution system. |
| 92 | 129532 | 1-10-71 | RYUTARO YORITOMI, 5-17-12, Kaishikawa, Bunkyo-ku, Tokyo, Japan. | Continuous dehydration. |
| 93 | 129567 | 11-12-70 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. The Hague, The Netherlands. | Apoxidising olefins with hydroperoxides to produce oxirone compounds. |
| 94 | 129569 | 11-12-70 | Do. | A process for producing a substantially sulphur free gas stream and a hydrogen sulphide rich gas stream from clous off gasses. |
| 95 | 129618 | 16-12-70 | CASTROL LTD., Burmah, Castrol House Marybone Road, London NW1, England. | Hydraulic fluid containing synthetic ortho-ester. |
| 96 | 129619 | 16-12-70 | RHONE-POULENE INDUSTRIES, 25 Qui Pal Doumer, 92408, Courbevoie, France. | Manufacturing Rhombohedral anhydrous calcium Sulphate II. |

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| 97 | 129638 | 17-12-70 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ, B. V. The Hague, The Netherlands. | Preparation and cooling of gas mixture containing hydrogen and carbon monoxides. |
| 98 | 129640 | 17-12-70 | UOP INC., 10 UOP Plaza-Algonquin and Mt. Prospect Road, Des Plaines, Illinois, U.S.A. | High octane gasolene product. |
| 99 | 129643 | 17-12-70 | HOECHST AG. Frankfurt/Main, F.R.G. | Process for the manufacture of water soluble monoazo dyestuffs. |
| 100 | 129702 | 22-12-70 | TEXACO DEV'L CORPN. 135 East 42nd Street, New York, U.D.A. | Catalyst cracking of Naphtha. |
| 101 | 129712 | 23-12-70 | WESTINGHOUSE ELECTRIC CORPORATION, Westinghouse Building, Gateway Centre, Pittsburgh, Pennsylvania, U.S.A. | Method of coating Europium activated chlorophosphate phosphor onto a lamp Envelop. |
| 102 | 129757 | 28-12-70 | MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD., 1006 Oaza, Osaka, Japan. | Method of producing manganese dioxide electrolytically. |
| 103 | 129769 | 29-12-70 | UOP INC., 10 UOP Plaza-Algonquin and Mt. Prospect Road, Des Plaines, Illinois, U.S.A. | Production of selected aromatic hydrocarbons. |
| 104 | 129831 | 4-1-71 | UOP INC., 10 UOP Plaza Algonquin and Mt. Prospect Road, Des Plaines, Illinois, U.S.A. | C ₈ Alkyl aromatic isomerization process. |
| 105 | 129834 | 4-1-71 | THE LUBRIZOL CORPORATION, Cleveland Ohio 44117. | Preparation of midoalkane sulfonic acid. |
| 106 | 129931 | 14-1-71 | DUNLOP COMPANY LTD., Dunlop House Ryder Street, St. James's, London SW1, England. | Reinforced flexible hose and Process for manufacturing the same. |
| 107 | 129936 | 14-1-71 | NIPPON KOKAN KABUSHIKI KAISHA Otemachi, Chiyoda, Tokyo, Japan. | Cold rolled steel sheet for drawing. |
| 108 | 130009 | 20-1-71 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ, B. V. The Hague The Netherlands. | Automatic watching of an apparatus for the preparation and cooling of synthesis gas. |
| 109 | 130010 | 20-4-72 | SOCIETE DETUDES DE PRODUITS CHEMIQUES 16 Kleber, Issy-les-Moulineaux, France. | Preparation of New Salts of pyridoxine mon-esters. |
| 110 | 130043 | 25-1-71 | MELLE BEZONS S. A. Saint-leger-les-Melle (Deux Sevres) France. | Continuous production of β-rethoxy aldehydes. |
| 111 | 130072 | 27-1-71 | THE LUBRIZOL CORPN., Cleveland, Ohio, U.S.A. | High molecular weight Malic and fumaric acid esters. |
| 112 | 130095 | 28-1-71 | UBE INDUSTRIES LTD., 12-32, 1-Chome, Nishihommachi, Ure-shi, Yamaguchi-ken, Japan. | Method and apparatus for removing Impurity from solid granules. |
| 113 | 130117 | 30-1-71 | IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Millbank, London, England. | Composition Comprising a powder normally- Causing collapse of foam and partially hydrophobic surface treated powdered silica. |
| 114 | 130121 | 1-2-71 | Do. | Treatment of brine. |
| 115 | 130167 | 3-2-71 | CIBA OF INDIA LTD., Aarcy Road, Goregaon East, Bombay, M. S. India. | Dying synthetic Textile materials. |
| 116 | 130178 | 4-2-71 | HINDUSTAN LEVER LTD. , 165/166 Hindustan Lever House, Backbay Reclamation, Bombay, India. | Treatment of Karanja oil. |
| 117 | 130181 | 4-2-71 | GREAT SALT LAKE MINERALS AND CHEMICALS, P. B. No. 1190, OGDEW, Utah, U.S.A. | Producing anhydrous potassium magnesium sulphate materials with low hydrosopicity from hydrated potassium magnesium sulphate material. |
| 118 | 130238 | 11-2-71 | HINDUSTAN LEVER LIMITED, 165/166 Hindustan Lever House, Backbay Reclamation, Bombay, India. | Anti-slague and anti-Calculus dentifrices. |

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| 119 | 130270 | 15-2-71 | SNAMPROGETTI, S. P. A. 16, Corse Venezia, Millan, Italy. | Separation of a partially hydrogenated polyamine of Aluminium. |
| 120 | 130282 | 16-2-71 | FARBWERKE HOECHST AG., 45, Brüningstr. ssce, Frankfurt/Main, F.R.G. | Preparing water-soluble monoazo dyestuffs |
| 121 | 130287 | 16-2-71 | E. I. Du. Pont De Nemours & Co., Wilmington, State of Delaware, U.S.A. | Water-in-Oil emulsion type blasting. |
| 122 | 130296 | 20-4-72 | KONINKLIJKE NEDERLANDSCHE GIST EN SPIRITS FABRIEK NV. 1 Wateringweg, Delft., The Netherlands. | Preparation of cephalosporanic acid. |
| 123 | 130298 | 17-2-71 | USS ENGINEERS AND CONSULTANTS INC., Pittsburgh, Pennsylvania, U.S.A. | Contact assembly in a rotary type plating apparatus. |
| 124 | 130343 | 23-2-71 | IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial House, Millbank, London, England. | Reducing residual acidity of an ester product. |
| 125 | 130346 | 23-2-71 | MONSANTO COMPANY, 800 North Lindbergh, Boulevard, St. Louis, Missouri, U.S.A. | Vulcanising rubber and 3-cyclo alkylthio-3-azobicyclo (3, 2, 2) nonane inhibitors. |
| 126 | 130367 | 25-2-71 | FARBWERKE HOECHST AG, 45 Brüningstrasse, Frankfurt/Main FRG. | Metal complex compounds of Monoazo dyestuffs. |
| 127 | 130371 | 25-2-71 | D. E. G. U. S. S. A. 9-werssfranenstrasse, Frankfurt/Main, F.R.G. | Calcium thioacetate. |
| 128 | 130375 | 25-2-71 | CIBA OF INDIA LTD., Aarey Road, Goregaon East, Bombay, M. S., India. | Manufacturing New azo compounds. |
| 129 | 130397 | 20-4-72 | C.S.I.R., Rafi Marg, New Delhi, India. | Manufacturing of hyoscine hydrobromide from D. stramonium. |
| 130 | 130407 | 27-2-71 | OIKE & CO. Ltd, 177 Tokusayama-cho, Nishinotoin-nishinru, Bukkojidori, Kyoto-shi Japan. | Cutting film material in slit threads and warping the thread. |
| 131 | 130416 | 1-3-71 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. The Hague, The Netherlands. | Relative removal of hydrogen sulphide from gases containing hydrogen sulphide and carbon dioxide. |
| 132 | 130487 | 5-3-71 | MONSANTO COMPANY, 800 North Lindbergh, Boulevard, St. Louise, Missouri, U.S.A. | Vulcanising rubber using cycloalkyl sulphonamides containing vulcanization inhibitor. |
| 133 | 130489 | 5-3-71 | FARBWERKE HOECHST AG. 45, Brüning strasse, Frankfurt/Main F.R.G. | Manufacturing water-soluble monoazo dyestuffs. |
| 134 | 130515 | 9-3-71 | FOBTER GRANT INC., 289 Norlk man street, Leominster, Massachusetts, U.S.A. | Catalytic hydrocracking process. |
| 135 | 130530 | 11-3-71 | HERMAN PAPST KARL-MAIN Strasse 1 St. Goregaon, F.R.G. | Producing of lifting gases lighter than air and air slip for carrying out the method. |
| 136 | 130589 | 16-3-71 | NEREO CHIAROTTO, Via Bussalal 7, Varsa, Italy. | Composite yarns fabrics and non-woven fabrics having fire resistant properties. |
| 137 | 130590 | 16-3-71 | FARBWERKE HOECHST AG. 45, Brüningstrasse, Frankfurt/Main, F.R.G. | Manufacturing of water insoluble yellow monoazo dyestuffs. |
| 138 | 130631 | 18-3-71 | METALLGESELLSCHAFT AG. 1 & 6, Frankfurt Reuterweg 14, West Germany. | Process of removing Hydrogen fluoride. |
| 139 | 130690 | 23-3-71 | FARBWERKE HOECHST AG. Frankfurt F.R.G. | Manufacturing Metal containing azo dyestuffs. |
| 140 | 130719 | 25-3-71 | UOP INC., 10 UOP Plaza-Algonquin, Mt. Prospect Road, Des Plaines, Illinois, U.S.A. | Reconditioning reforming catalyst. |
| 141 | 130740 | 26-3-71 | IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Millbank, London, England. | Production of fibre reinforced thermoplastic materials. |
| 142 | 130769 | 29-3-71 | ABEX CORPORATION, 530 Fifth Avenue New York, State of New York, U.S.A. | Friction materials. |

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| 143 | 130775 | 29-3-71 | SHINETSU CHEMICAL CO., 4-2 Marunochi Suspension of Polymerising vinyl chloride. 1-chome, Tokyo, Japan. | |
| 144 | 130799 | 30-3-71 | UBE INDUSTRIES LTD., 12-32, 1- Chome, Nishiommachi, Uke-shi, Yamaguchi-ken, Japan. | Treatment of a reaction product obtained by oxidation of Cyclohexano. |
| 145 | 130800 | 30-3-71 | SNAMPROGETTI, S. P. A., 16 Corso Venezia, Milan, Italy. | Production of Urea. |
| 146 | 130801 | 30-3-71 | Do. | Do. |
| 147 | 130808 | 1-4-71 | SHELL INTERNATIONALE RESEAR- CH MAATSCHAPPIJ, B. V. Carel Van Bylandtlaan 30, The Hague, Netherlands. | Apparatus for effecting the intimate mixture of two gaseous streams. |

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words 'Licences of right' under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

| No. | Title of the invention |
|------------------|---|
| 138100 (14.2.74) | Method of reducing the alfatoxin content of agricultural products. |
| 138102 (3.5.74) | A process for the preparation of flowable water insoluble pesticide composition. |
| 138204 (18.3.74) | Process for the preparation of methyl 3-(2-quinoxalynylmethylene) carbazate N-N'-dioxide. |
| 138281 (8.3.73) | Process for manufacture of ironbase material for welding parts in steel. |
| 148460 (1.3.75) | Process for the preparation of new N-(1-benzylpyrrolidinyl-2-alkyl) substituted benzamides. |
| 138477 (28.9.73) | Process for preparation of dielectric compound. |
| 138647 (21.3.73) | Process for carrying out an enzyme catalysed conversion of penicillin. |

RENEWAL PRESS PAID

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|--------|--------|--------|--------|--------|--------|--------|--------|
| 95513 | 95684 | 96857 | 96945 | 97020 | 97140 | 97742 | 101712 |
| 101840 | 101924 | 102096 | 102097 | 102098 | 102721 | 102738 | 102754 |
| 102819 | 102863 | 102881 | 102969 | 103129 | 103193 | 103431 | 106205 |
| 107414 | 107624 | 107625 | 108144 | 108211 | 108222 | 108311 | 108312 |
| 108578 | 108595 | 108763 | 109117 | 112605 | 112617 | 112758 | 112770 |
| 112809 | 113193 | 113426 | 113434 | 113560 | 113568 | 113690 | 113811 |
| 113822 | 113855 | 113992 | 114127 | 117445 | 117913 | 117916 | 118016 |
| 118034 | 118189 | 118252 | 118253 | 118256 | 118436 | 118454 | 118724 |
| 118746 | 118808 | 118847 | 118946 | 119048 | 119129 | 119990 | 120563 |
| 121489 | 123056 | 123166 | 123205 | 123453 | 123645 | 123778 | 123928 |
| 124180 | 124224 | 124235 | 124239 | 124241 | 124242 | 124287 | 124289 |
| 124291 | 124292 | 124408 | 124432 | 124588 | 124649 | 124677 | 124678 |
| 124712 | 124713 | 124724 | 124812 | 124961 | 125038 | 125209 | 125785 |
| 125865 | 126055 | 127673 | 127674 | 128474 | 128669 | 128790 | 128864 |
| 128873 | 128932 | 129055 | 129141 | 129515 | 129529 | 129567 | 129569 |
| 129579 | 129620 | 129637 | 129638 | 129643 | 129652 | 129662 | 129782 |

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

—NIL—

EXTENSION OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS

Design No. 140668, 140873, 141674, 141900 Class 1.
141934, 141935, 141936, 141956
141966, 141949, 142082

Design No. 141617, 141823, 142010, 141840, Class 3.
141875, 141884, 141885, 141929,
141942, 141957, 141958, 142139,
142140, 142201, 142208.

Design No. 141921 Class 4.

Design No. 141899 Class 6.

Design No. 141839, 141841, 141876, 141959, Class 10.
141960, 142022.

EXTENTION OF COPYRIGHT FOR THE THIRD PERIOD OF FIVE YFARS

Design No. 141122, 141674, 141934, 141935, Class 1.
141936.

Design No. 141454, 141455, 141456, 141457 Class 4.
141458.

CANCELLATION OF THE REGISTRATION OF DESIGNS (Section 51-A)

An application has been made by Union Carbide India Limited for cancellation of the registration of Design No. 147841 in Class 3 in the name of Rama Prasad Datta.

S. VEDARAMAN,
Controller-General of Patents, Designs
and Trade Marks.